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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/628,200	200 07/28/2003		Michael Kotzin	CS10455 6111	
20280	7590	04/14/2006		EXAMINER	
MOTOROI		*********	CHEN, SHIH CHAO		
600 NORTH ROOM AS4		IWAY 45	ART UNIT	PAPER NUMBER	
	-	60048-5343	2821		

DATE MAILED: 04/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

			\mathcal{L}				
		Application No.	Applicant(s)				
Office Action Summary		10/628,200	KOTZIN ET AL.				
		Examiner	Art Unit				
		Shih-Chao Chen	2821				
Period fo	The MAILING DATE of this communication app or Reply	pears on the cover sheet with the	correspondence address				
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING Discisions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. Or period for reply is specified above, the maximum statutory period oure to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing led patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be the service of the servic	ON. timely filed m the mailing date of this communication. IED (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on 19 D	ecember 2005.					
2a)□	This action is FINAL . 2b)⊠ This	s action is non-final.					
3)	☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 4	453 O.G. 213.				
Disposit	ion of Claims						
. 4)🖂	Claim(s) 1-32 is/are pending in the application						
	4a) Of the above claim(s) 2.18-23 and 28 is/are withdrawn from consideration.						
5)🖂	 ✓ Claim(s) 1,3-17,24-26,31 and 32 is/are allowed. ✓ Claim(s) 27 and 29 is/are rejected. 						
·	Claim(s) <u>30</u> is/are objected to.						
8)	Claim(s) are subject to restriction and/o	or election requirement.					
Applicat	ion Papers						
9)	The specification is objected to by the Examine	er.					
10)🛛	The drawing(s) filed on 28 July 2003 is/are: a)	□ accepted or b) □ objected to	by the Examiner.				
	Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	ee 37 CFR 1.85(a).				
	Replacement drawing sheet(s) including the correct						
11)	The oath or declaration is objected to by the Ex	xaminer. Note the attached Offic	e Action or form PTO-152.				
Priority	under 35 U.S.C. § 119						
<i>'</i> —	Acknowledgment is made of a claim for foreign ☐ All b) ☐ Some * c) ☐ None of:	priority under 35 U.S.C. § 119(a)-(d) or (f).				
	1. Certified copies of the priority document	ts have been received.					
	2. Certified copies of the priority document						
	3. Copies of the certified copies of the prio	·	ved in this National Stage				
	application from the International Burea						
* (See the attached detailed Office action for a list	of the certified copies not receive	/ea. ·				
Attachmer	nt(s)	•					
	ce of References Cited (PTO-892)	4) Interview Summar					
- =	ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	Paper No(s)/Mail l	Date Patent Application (PTO-152)				
	er No(s)/Mail Date	6) Other:	•				

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 27 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lee (U.S. Patent No. 6,337,671) in view of Marino (U.S. Patent No. 5,451,974).

Lee teaches in figures 1-9 a portable wireless communication device (See FIG. 4) comprising: at least one of a wireless receiver and wireless transmitter [54b, 54c]; an antenna [10] coupled to the at least one of the wifeless receiver and wireless transmitter; an antenna deployment system [20]; an antenna chamber [31], the antenna substantially contained within the antenna chamber, the antenna movable between a docked position (See FIG. 7) and a deployed position (See FIG. 8) extending at least partially from the antenna chamber; and the antenna chamber [31] is disposed within a housing [50] of the portable wireless communication device.

Lee et al. teaches every feature of the claimed invention except for an antenna deployment system having a solenoid operatively coupled to antenna; and the antenna movable to one of the docked position or the deployed position when the solenoid is energized.

Marino et al. teaches in figure 4 an antenna deployment system [19] having a solenoid (See col. 2, lines 40-50) operatively coupled to antenna [10]; and the antenna

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movable to one of the docked position [RETRACTED POSITION] or the deployed position [EXTENDED POSITION] when the solenoid is energized.

In view of the above statement, it would have been obvious to one having ordinary skill in the art at the time the invention was made by using the driving device is electrical solenoid as taught by Marino in order to replace the driving unit with a motor for automatically extracting/retracting an antenna.

Allowable Subject Matter

- 3. Claims 1, 3-17, 24-26 and 31-32 allowed.
- 4. Claim 30 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

5. Applicant's arguments with respect to claims 27 and 29 have been considered but are most in view of the new ground(s) of rejection.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shih-Chao Chen whose telephone number is (571) 272-1819. The examiner can normally be reached on Monday-Thursday from 7 AM to 5:30 PM. Fri. off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy P. Callahan can be reached on (571) 272-1740. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shih-Chao Chen Primary Examiner Art Unit 2821

S/1/1-1660 CL. SHIH-CHAO CHEN PRIMARY EXAMINER

SXC April 4, 2006